

SYNCHRONISM ACQUISITION SYSTEM FOR SPECTRUM SPREAD COMMUNICATION

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Abstract

PURPOSE:To acquire synchronism regardless of reduction of mutual correlations by not using a threshold level but detecting the peak of a mutual correlation value to discriminate acquisition of synchronism.

CONSTITUTION:A pseudo random (PN) code generator 10 generates two PN codes which have the same code string and are different in code phase from each other by 180 deg., and a correlator 8 outputs the correlation value between a reception signal and one PN code, and a correlator 9 outputs the correlation value between the reception signal and the other PN code. A synchronism acquisition control part 12 detects peaks of respective correlation values to control the clock speed of a clock generator 11, and the clock generator 11 supplies a PN code generating clock. Thus, synchronism is accurately acquired even if correlation values are reduced by the noise of a transmission line.

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